```
=> fil reg
FILE 'REGISTRY' ENTERED AT 15:08:43 ON 20 MAR 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2009 American Chemical Society (ACS)


Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:    18 MAR 2009   HIGHEST RN 1123341-06-9
DICTIONARY FILE UPDATES:   18 MAR 2009   HIGHEST RN 1123341-06-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> d que
L10                STR
```
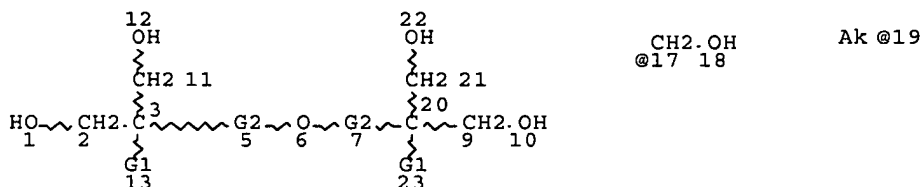
```
     12                    22
     OH                    OH                CH2.OH        Ak @19
     ₹                     ₹                 @17  18
     CH2 11                CH2 21
     ₹3                    ₹20
 HO~~CH2.C~~~~~~G2~~O~~G2~~C~~CH2.OH
   1    2 ₹      5   6   7 ₹    9   10
        G1                    G1
        13                    23
```

```
VAR G1=19/17
VAR G2=AK/CY
NODE ATTRIBUTES:
CONNECT IS E1  RC AT  19
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  18

STEREO ATTRIBUTES: NONE
L12                SCR 1703
L14          2291 SEA FILE=REGISTRY SSS FUL L10 AND L12
L20                STR
```
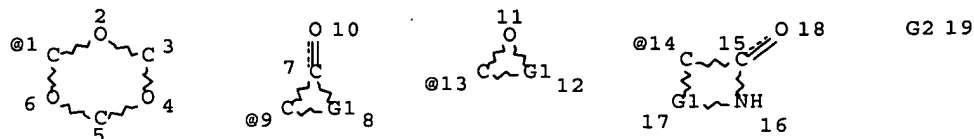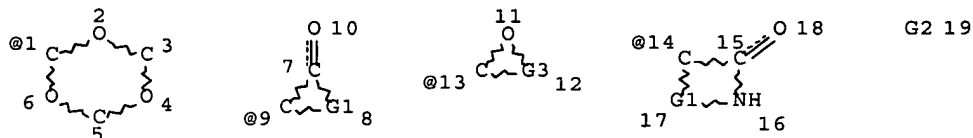
```
REP G1=(1-4) CH2
VAR G2=1/9/13/14
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS  19

STEREO ATTRIBUTES: NONE
L22           368 SEA FILE=REGISTRY SUB=L14 SSS FUL L20
L25               STR
```
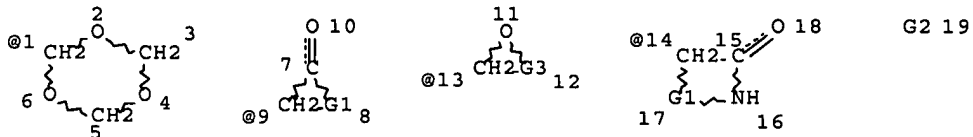


```
REP G1=(1-4) CH2
VAR G2=1/9/13/14
REP G3=(3-4) CH2
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS  19

STEREO ATTRIBUTES: NONE
L27               SCR 1839
L29               SCR 2043
L32          8794 SEA FILE=REGISTRY SSS FUL L25 AND L29 NOT L27
L33            70 SEA FILE=REGISTRY ABB=ON   PLU=ON   L14 AND L32
L34               STR
```



```
REP G1=(1-4) CH2
VAR G2=1/9/13/14
```

REP G3=(3-4) CH2
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 19

STEREO ATTRIBUTES: NONE

L36	6156	SEA FILE=REGISTRY SUB=L32 SSS FUL L34
L38	39	SEA FILE=HCAPLUS ABB=ON PLU=ON L33
L39	4318	SEA FILE=HCAPLUS ABB=ON PLU=ON L14
L40	50524	SEA FILE=HCAPLUS ABB=ON PLU=ON L36
L41	44	SEA FILE=HCAPLUS ABB=ON PLU=ON L39 AND L40
L42	83	SEA FILE=HCAPLUS ABB=ON PLU=ON L38 OR L41
L43	74	SEA FILE=HCAPLUS ABB=ON PLU=ON L42 AND (1840-2005)/PRY,AY ,PY
L44	5	SEA FILE=HCAPLUS ABB=ON PLU=ON L43 AND POLYMER?/SC,SX
L45	1	SEA FILE=HCAPLUS ABB=ON PLU=ON L43 AND ELECTRIC?/SC,SX
L46	2	SEA FILE=HCAPLUS ABB=ON PLU=ON L43 AND ?ELECTRIC?
L47	7	SEA FILE=HCAPLUS ABB=ON PLU=ON (L44 OR L45 OR L46)
L48	204	SEA FILE=HCAPLUS ABB=ON PLU=ON L22
L49	17	SEA FILE=HCAPLUS ABB=ON PLU=ON L48 AND POLYMER?/SC,SX
L50	24	SEA FILE=HCAPLUS ABB=ON PLU=ON L48 AND ELECTRIC?/SC,SX
L51	40	SEA FILE=HCAPLUS ABB=ON PLU=ON (L49 OR L50)
L52	31	SEA FILE=HCAPLUS ABB=ON PLU=ON L51 AND (1840-2005)/PRY,A Y,PY
L53	37	SEA FILE=HCAPLUS ABB=ON PLU=ON L47 OR L52

=> fil hcap
FILE 'HCAPLUS' ENTERED AT 15:08:50 ON 20 MAR 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1907 - 20 Mar 2009 VOL 150 ISS 13
FILE LAST UPDATED: 19 Mar 2009 (20090319/ED)

HCAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.